

Stainless 13-8PH steel

Acc AMS 5629, Cond A solution annealed



ø10	x
ø12	x
ø16	x
ø20	x
ø25	x
ø30	x
ø32	x
ø35	x
ø40	x
ø45	x
ø50	x
ø60	x
ø70	x
ø80	x
ø90	x
ø100	x
ø120	x
ø127	x
ø140	x

Minimum tensile properties	Cond A	H950	H1025	H1050	H1100	H1150
Ultimate tensile strenght Ksi		220	185	175	150	135
Ultimate tensile strenght Mpa		1517	1276	1207	1034	931
0,2% Yield strenght Mpa		1413	1207	1138	931	621
0,2% Yield strenght Ksi		205	175	165	135	90
Elongation in %		10	11	12	14	14
Rockwell C Hardness		47	41	43	33	28
Hardness HB	363 max	445	375	402	308	264

We can heat treat your material to your preferred condition.

Fabrication is recommended after the metal has been heat treated to minimize distortion and stress.

Density: 7,76 kg/dm³

Melting Range: 1404-1471 °C

Specifications: AMS 5629 (Bars, forgings, rings).

13-8 Alloy (UNS S13800) is a martensitic precipitation hardening stainless steel that combines excellent strength, good toughness, and good general corrosion resistance. Good transverse toughness properties are achieved by tight chemical composition control, low carbon content (to minimize grain boundary precipitation and double vacuum melting (to reduce alloy segregation).

Applications: Aerospace components, petrochemical industry, nuclear reactor parts, shafts and parts that require high strength and good resistance to stress corrosion.

Every effort is made to ensure that technical specifications and info are accurate. However, technical specifications included herein should be used as a guideline only. All specifications are subject to change without notice

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